

# ksc bulletin



No. 01-25 - June 22, 2001

National Aeronautics and  
Space Administration

John F. Kennedy Space Center  
Kennedy Space Center, Florida 32899

Published weekly under the provisions of KMI 1590.2. Mail items to KSC Bulletin on KSC Form 7-121.  
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URL: <http://www-lib.ksc.nasa.gov/lib/bulletin/bulletin.htm> (KSC only)  
Deadline for Official/Unofficial notices - Monday, 9 a.m.

## OFFICIAL

**GG AND OP PROCESSING REQUISITIONS:** GG and OP have established cutoff dates for processing requisitions for fiscal year-end. All MR/PR's citing appropriated funds that expire September 30, 2001, other than emergencies and additional funding, must be received by June 29 for MR/PR's with an estimate over \$100,000 and by July 31 for MR/PR's with an estimate less than \$100,000. Any requirements received after these dates must have prior approval through OP-AM, Headquarters Building, Room 2440. Contact Debbie Hurlburt, GG-B-C, 867-9438, or Barbara Hickie, OP-AM, 867-9212, for additional information. (OP-AM)

**JUNE HEALTH EDUCATION & WELLNESS PROGRAM—HUMOR & LAUGHTER—GOOD FOR YOUR HEALTH:** Humor and laughter isn't just fun. It can serve as a tool to improve your health, reduce your stress and help you to cope with the problems of everyday life. June's packet will show you what laughter can do for your mind, spirit and body. And hopefully, it will make you laugh. Packets will be available on the Occupational Medicine Web site, at all medical facilities, and upon request to Carol Roth, email **Roth-1, Carol**, 867-3414. (TA-C2)

**JUNE'S VISION SCREENING: Visual Acuity and Glaucoma Testing**

Tuesday

June 26

11 a.m. – 1 p.m.

OHF (Occupational Health Facility) (TA-C2)

**COLORECTAL CANCER SCREENING:** Small amounts of blood in your stool, which can be detected with hemoccult slides, can be an indication of colorectal cancer. Hemoccult slides and instructions are available at all medical facilities during hours of operation. (TA-C2)

**SCREENING MAMMOGRAMS** for breast cancer are available at KSC, southwest corner of the parking lot behind HQ Building. Call 1-800-367-1870 for an appointment. (TA-C2)

**WORKSITE LECTURES** on any health subject, requests for health information or counseling are available upon request to Carol Roth, 867-3414, CHS-005, email **Roth-1, Carol**. (TA-C2)

**TSP CHANGES IMPACT EMPLOYEE EXPRESS:** Seems when you have a good thing, everyone wants on board at one time and it's nice to know you are trying! Unfortunately, so are 100,000+ of others which is causing EE to have delays in processing/response time. Because we know this and study this type of impact constantly looking for ways to improve the system, we are on top of this problem. But, we need you to help—if you wish to use EE in the next couple of days or so, we urge you try earlier in the morning or later in the evening **or** even try the phone method of communication to get your request in. (The phone lines haven't been quite as busy as the computer network.) Of course, since the election to increase your TSP contributions **won't go into effect until July 1**, you might just want to hold off and let the rush die down a little before trying to make the change. Again, if you are really concerned about forgetting to make the transaction, then paper forms will work. MOST IMPORTANT OF ALL, TRACK YOUR LE&S for pp ending July 14 to make sure your efforts have not been in vain! (BA-B)

**FITNESS CENTER SELF-DEFENSE CLASSES:** The self defense classes have been such a success that we are now offering an on-going class called **"Common Sense Self Defense."** The class meets Fridays from 12:15 p.m. to 1:15 p.m. in the O&C Fitness Center's group exercise studio. Join us to learn self defense skills that just might save your life. If you have questions please call 867-7829. (TA-C2)

**KSC/CCAFS MEDICAL CLINICS—HOURS OF OPERATION:** There are three medical clinics at KSC/CCAFS:

Occupational Health Facility (OHF) - KSC Industrial Area (SW corner of 2nd Street and C Avenue, Bldg. M6-495)

Launch Area Clinic (LAC) - KSC Launch Area (located in the Multifunction Facility (MFF) Bldg. K6-1145, next to the cafeteria)

Cape Area Clinic (CAC) - CCAFS Industrial Area (NE corner of Industry Road & Hangar Road, Bldg. 49635)

The three clinics are open to all KSC/CCAFS employees for job-related medical examinations and emergency medical treatments. Hours of operation are:

OHF - Mon-Friday, 7:00 a.m. - 5:00 p.m. (excluding holidays)

LAC - 24 hours-a-day, 7 days-a-week

CAC - Mon-Friday, 7:00 a.m. - 3:30 p.m. (excluding holidays)

Please note that the LAC is the only facility open 24 hours-a-day, 7 days-a-week. It is available for all work shifts and should be the primary clinic for KSC/CCAFS on second and third shifts and weekends. **For any medical emergency at anytime, anywhere on KSC or CCAFS, dial 911.** (TA-C2)

**NUTRITION TIP OF THE WEEK FROM THE KSC FITNESS CENTERS:** What's the best way to lose weight and keep it off? This question plagues many people in today's modern world of fast food and microwave ovens. Most research tends to indicate that "diets" don't work unless you can transform them into a food plan for life. For example, according to the Tufts University Health and Nutrition Letter, a study was done on "if [the] high-protein, low carbohydrate Atkins diet really worked over the long term." They concluded that these diets work well short term, but that most people stick with this food plan for less than a year. If even grapefruit is an indulgence, it is no wonder that participants of the Atkins diet are less likely to stick with it, says study leader Holly Wyatt, MD. The body normally burns carbohydrates as its prime fuel, but with the Atkins diet and its strict carbohydrate limitations, the body goes into a state of ketosis and burns fat instead, resulting in weight loss. For some, food plans such as the Atkins diet work, but for the vast majority of people who lose weight and keep it off, a way of eating that can last a lifetime is much more effective. (TA-C2)

**EMPLOYEE ASSISTANCE PROGRAM:** All employees are reminded that the Employee Assistance Program offers free, confidential counseling to all Kennedy Space Center and Cape Canaveral Air Force Station employees. Appointments are necessary to ensure adequate time. This program is available Monday through Friday, 7:30 a.m. to 4:00 p.m. Appointments may be made by calling 867-7398. (TA-C2)

**PHOTOGRAPHIC AND VIDEOGRAPHIC SUPPORT:** Request for photographic and/or videographic support may be obtained by calling the Aerospace Imaging customer service desk at 867-4308 located in KSC Headquarters Building, Room 2340. Support is also available at the Cape, in Building 1605, at the pickup/drop-off service desk and can be obtained by calling 853-5765. For more information on the wide range of services available visit website: [www.aerospaceimaging.com](http://www.aerospaceimaging.com). (PZ-J-C)

**KSC LIBRARY:** The following new specifications and standards are available for use in the KSC Library Documents, Specifications and Standards Department, HQ, Room 1124, and are not available for loan.

AIAA-S-081-2000: Space Systems: Composite Overwrapped Pressure Vessels (COPVs)

ARI-210-240-1994: Unitary Air-Conditioning and Air-Source Heat Pump Equipment

ESD-S20.20-1999: Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices)

ISO-9001: Quality Management Systems: Requirements

ISO-14620-2: Space Systems – Safety Requirements – Part 2: Launch Site Operations

ISO-14953: Space Systems – Structural Design – Determination of Loading Levels for Static Qualification Testing of Launch Vehicles

NETA-MTS-2001: Maintenance Testing Specifications for Electrical Power Distribution Equipment and Systems

To search the Library's on-line catalog go to: <http://nasagalaxie.larc.nasa.gov/>. For questions call 867-3613 or <mailto:KSCLibrary@jbosc.ksc.nasa.gov>. (TA-E1)

**KSC LIBRARY:** The KSC Archives regularly displays its collection of historical photographs for viewing by the KSC community. The display case is located between Rooms 1533 and 1537, across from the post office, in the Headquarters Building. The current display will feature Endeavour, participating crew members and mission achievements. This is the last of a five part series saluting our Space Shuttle fleet in 20 years of space flight. Further information may be obtained by calling the Library Archives at 867-2407. (TA-E1)

**KSC LIBRARY:** The following new books are available for loan from the KSC Library. If you need information, please call 867-3600 or visit the Library in HQ, Room 1301.

- Art of Measurement, #535010
- Build Your Own Robot, #537040
- Guide to Capital Cost Estimating, #536562
- Guide to Presenting Technical Information, #536513
- Hardness Testing, #536521
- Integrating ISO 14000 Into a Quality Management System, #537206
- ISO 9000 at the Front Line, #537180
- ISO 9001:2000 Explained, #537198
- MLA Handbook for Writers of Research Papers, #537172
- Process Quality Control: Troubleshooting and Interpretation of Data, #537032
- Successful Technical Writing, #537057
- Systems Development Handbook, #536505

To search the Library's on-line catalog go to: <http://nasagalaxie.larc.nasa.gov/>. For questions, call 867-3600 or **mailto:KSCLibrary@jbosc.ksc.nasa.gov**. (TA-E1)



**KSC LIBRARY:** The following documents are available for loan from the KSC Library Documents, Specifications and Standards Department, HQ Room 1124, or by calling 867-3613:

- NASA-CR-210709: Mars Flyer Rocket Propulsion Risk Assessment ARC Testing
- NASA-CR-210710: Mars Flyer Rocket Propulsion Risk Assessment Kaiser Marquardt Testing
- NASA-TM-210605: Research and Technology 2000: Glenn Research Center
- NASA-TM-210704: Testing Microgravity Flight Hardware Concepts on the NASA KC-135
- NASA-TM-210705: Effects of Gravity on Cocurrent Two-Phase Gas-Liquid Flows Through Packed Columns
- NASA-TM-210806: Preventing Spacecraft Failures Due to Tribological Problems
- NASA-TM-210812: Neural-Net Processed Characteristic Patterns for Measurement of Structural Integrity of Pressure Cycled Components
- NASA-TM-210857: Structural Dynamics Experimental Activities in Ultra-Lightweight and Inflatable Space Structures
- NASA-TM-210961: Mars Global Reference Atmospheric Model 2001 Version (Mars-GRAM 2001): Users Guide

To search the Library's on-line catalog go to: <http://nasagalaxie.larc.nasa.gov/>. For questions call 867-3613 or **mailto:KSCLibrary@jbosc.ksc.nasa.gov**. (TA-E1)

**KSC LIBRARY:** Tours of the library for individuals or groups may be scheduled by calling 867-3600. (TA-E1)

**KSC LIBRARY:** The NASA-wide library catalog, NASA GALAXIE, is available to KSC civil service and contractor personnel via the World Wide Web at <http://nasagalaxie.larc.nasa.gov/>. (TA-E1)

**KSC LIBRARY—INTERNET RESOURCES:** The "Index of KSC Specifications and Standards," KSC GP-364, is available on the World Wide Web. Active ones are available in full text PDF versions at <http://www-lib.ksc.nasa.gov/lib/gp364.htm>. (TA-E1)

**KSC LIBRARY—INTERNET RESOURCES:** Applied Science and Technology Index and Business Periodicals Index are now available on the World Wide Web from KSC networks at <http://wilsonweb2.hwwilson.com/autologin/>. For assistance call 867-3600. (TA-E1)

**KSC LIBRARY—REQUEST FOR LIBRARY CIRCULATION MATERIAL:** KSC employees are required to submit KSC Form 16-19 to request library materials. A written, work-related justification and the signature of the organization's Library Materials Coordinator (LMC) are also required. The Library will not process and submit invoices for payment for materials personally ordered by employees directly from publishers or vendors. (TA-E1)

**EAP TODAY:** A 12-minute Employee Assistance Program Orientation Video can be viewed on KSC/CCAFS Channel 60 every Tuesday at 11 a.m. If you have any questions after viewing the video, or if you do not have access to the video and would like the EAP to visit your site, please call the Comprehensive Health Services, OHF, 867-7398. (TA-C2)

**INSPECTOR GENERAL:** The Office of Criminal Investigations (OCI) is the investigative arm of the NASA Inspector General (IG). The OCI is an independent entity and reports directly to Roberta Gross, the NASA IG, in Washington D.C. The primary mission of this component is to conduct criminal and civil investigations of reported or suspected fraudulent acts by employees, contractors, and others relating to the administration of NASA contracts and programs. Although emphasis is placed on major procurement fraud, (particularly allegations of defective/substandard parts, mischarging, kickbacks, bid rigging, and research fraud), investigations are also conducted of theft, conflict of interest, environmental and hazardous waste violations, health care fraud, and computer related crimes. OCI also provides fraud briefings for Government and contractor employees that are designed to highlight potential risks concerning fraud and related matters. Suspected violations can be reported by calling 867-4714 locally, the toll free Hotline at 1-800-424-9183, or by writing NASA Inspector General, P. O. Box 23089, L'Enfant Plaza Station, Washington, D.C. 20024. The OIG Cyber-Hotline can be accessed at [www.hq.nasa.gov/office/oig/hq](http://www.hq.nasa.gov/office/oig/hq). (OIG)

**DISCRIMINATION COMPLAINTS:** Whenever a KSC employee or applicant for employment believes they have been discriminated against based on race, color, religion, sex, national origin, age, or handicap, the employee **must contact an EEO Counselor within 45 calendar days** of the incident giving rise to the complaint. An informative Equal Employment Opportunity Program poster with counselors' identities and further complaint information is on all KSC Official Bulletin Boards. EEO Counselors are trained to inform you of your rights, answer your questions, and can do limited fact finding into your allegations. Counseling is a confidential process, and only the employee can authorize a counselor to discuss his or her issues with another party. For further information, contact the KSC EO Office at 867-9165. (AJ)

**AUTHENTICATED:**

*Marilee Tewksbury*

Marilee Tewksbury, Center Services (TA-E1)

**PRACTICE ESCAPE ROUTES PRIOR TO A FIRE.**



**SECURITY AMBULANCE FIRE**  
**911 7-7911 1-7911**

**U N O F F I C I A L**

**CAFETERIA MENU FOR WEEK OF JUNE 25 THROUGH JUNE 29**

*MONDAY	*TUESDAY	*WEDNESDAY	*THURSDAY	*FRIDAY
Savory Garden	Broccoli & Cheddar	Navy Bean w/Smoked	Sausage & Chicken Chowder	Louisiana Seafood Gumbo
Vegetable Soup	Cheese Soup	Ham Soup	Pot Roast w/Egg Noodles	Spaghetti w/Meat Sauce
Sweet & Sour Pork	Chicken a la King	Beef & Broccoli Stir Fry	**Pasta Salad w/Tuna	**Blanco y Blanco
w/Steamed Rice	o/Rice	w/Fried Rice		
**Lemon & Herb	**Oriental Vegetable	**Spinach & Cheese		
Chicken w/Rice	Salad	Lasagna		
*Assorted vegetables, salads, desserts, and beverages available daily. ** <b>Lighter By Choice</b> is our Nutritionally Balanced Selection.				
<b>Lighter By Choice</b> Grilled Chicken and Vegetable Burgers are available daily. Soup available daily—bowl, \$1.20/cup \$0.65. Each day a "Price Value Meal" or "Grill Price Value" is available and will be posted in each cafeteria. <b>La Pomadora:</b> A variety of Pizza, Stromboli, Calzone or Pasta is available daily.				

**NASA EXCHANGE:** Do you like bears? Come see our Hadley collection. These cute resin figurines depict bears fishing and hunting. They would make the perfect birthday or anytime gift for the outdoors person! We also have some new Lefton lighthouses from around the country as well as numerous sales items but you better hurry as they are going fast!

**KSC EXCHANGE SERVICE STATION:** Front disc brake job or rear drum brake job—including pads, machine rotors, pack bearings, where packable, or rear shoes, machine rotors, top off fluids and inspect hydraulic components. This week only—\$64.95 per axle for most vehicles. Metallic pads \$15 extra. Call us at 453-1254 for an appointment or more information.

**KSC EXCHANGE—CITGO GAS STATION:** **Attn: The CITGO gas station is open!** Pay at the pump is open 24 hours, 7 days a week, for gas and diesel. CITGO and all major credit cards accepted. For information, call 453-1254.

**KENNEDY SPACE CENTER FEDERAL CREDIT UNION REPOS:** Repos located at the Merritt Island office. 2000 Mitsubishi Galant, \$14,375; 1994 Cadillac Seville, \$7,500; 1999 Ford Taurus Wagon, \$2,995; 2000 Chevrolet Cavalier, \$9,800; 1999 Ford Expedition, Eddie Bauer package, 2wd, \$23,025; 1998 Dodge conversion van, \$16,000; 1999 Dodge Avenger, \$11,500; 1994 Cadillac Seville, \$7,500; 1996 Nissan Pathfinder, 5-speed, \$10,775, call 455-9400, ext. 1120.

**KENNEDY SPACE CENTER FEDERAL CREDIT UNION:** If you're planning to purchase or refinance a home, you will love Kennedy Space Center Federal Credit Union's new H.O.M.E. program. With H.O.M.E. you can talk to a Mortgage professional who will give you options and advice on what would best meet your needs. Our goal is to save you money and make your home purchase, and other simple mortgage loan needs, as easy and simple as possible. Call 455-9400 for more information on specific programs and rates.

**KARS:** KARS Ceramics, Art and Craft Club meets at KARS Park I. Come join us and learn a new craft. Open to all KSC workers and families. Club meets at 7:30 p.m., first Thursday of each month. For more information, call Geri Bloomquist, 783-0403.

**BARRY UNIVERSITY:** Barry University is currently registering for the Summer 2001 term that begins on July 9th. Degree programs offered include the M.S. in Information Technology, B.S. in Information Technology, B.S. in Professional Administration, Bachelor of Professional Studies, Bachelor of Liberal Studies and certificate programs in Information Technology, Webmaster and Network & Systems Engineering. Barry offers four, ten week terms per year with classes scheduled in the evenings and weekends. Undergraduate students can earn up to 30 credits from work experience. A second teaching site in the Melbourne area is currently being planned with a tentative opening date of October 1. For information on degree programs offered in Brevard call 453-6253 or email [lgrant@mail.barry.edu](mailto:lgrant@mail.barry.edu) or in Orlando call (407) 438-4150 or email [jkreps@mail.barry.edu](mailto:jkreps@mail.barry.edu). You can also visit our website at [www.barry.edu/ace](http://www.barry.edu/ace).

**FLORIDA INSTITUTE OF TECHNOLOGY:** Florida Tech offers a variety of master's degree programs at our Spaceport site, e.g. Master of Science in: Software Engineering, Computer Information Systems, Computer Science, Space Systems, Management, Engineering Management, Acquisition and Contract Management. Evening classes are held at Kennedy Space Center and Patrick Air Force Base. Distance Learning courses are also offered. Applications are being accepted for the Fall semester, which begins the week of August 27. For a catalog listing all degrees, please call 453-2030 or 784-2045.

**FLORIDA SPACE INSTITUTE:** Florida Space Institute is offering a new and exciting course this summer—Space Environment and Payload Instrumentation. Studies of past NASA and Air Force spacecraft indicate that approximately 20% of all spacecraft failures are related to interaction with the space environment. In this class you will learn about the space environment and its effects. Learn to build your own space payload. Majority of the class time will be devoted to building an instrument for flight on a rocket. Dr. Eastes has worked on the Space Environment and space payloads for 20 years. He has experience with the effects of the vacuum, neutral, plasma, and radiation environments from work with spacecraft instrumentation and modeling of the space environment. Contact information for Florida Space Institute Carol Cox 452-9904, [ccox@mail.ucf.edu](mailto:ccox@mail.ucf.edu).

**UNIVERSITY OF CENTRAL FLORIDA:** UCF's Department of Industrial Engineering and Management Systems (IEMS) plans a live, on-site Master of Science Program in Engineering Management at KSC beginning in August 2001. Contact Carol Cox, Florida Space Institute, 452-9904 or Dr. Elizabeth Baab, Division of Continuing Education, 407-207-4916.

**WEBSTER UNIVERSITY:** Webster University is hosting the Master of Science in Computer Science on-site at KSC. The first term will start August 11. Seats are limited and filling up quickly, so please contact us now to find out how to broaden your education and career! Call us at 449-4500 or go to our web site at [www.webster.edu/spacecoast](http://www.webster.edu/spacecoast). Get your future started with a world class education from Webster University today.

PERSONAL

CARPOOLS

Vanpool seats: Daytona/Ormond Beach/Port Orange to VAB/OPF/PAD's Areas, 6:30/7:00-3:30, Tom, 867-4529/386-409-3923.  
Vanpool seats: Daytona/Port Orange/New Smyrna to OPF/VAB/LCC Areas, 6:30/7:00-3:30, Steve, 861-1485/904-238-3629.  
Vanpool seats: Melbourne/Palm Bay to LC-39 Area, depart from WalMart at Sarno Road & Wickham Road, 7:00-3:30, Cambric, 861-7875.  
Vanpool seats: Melbourne Beach/Indialantic/IHB/CB/Cape Canaveral to CCAS/KSC Industrial Area/VAB, 7:15-3:45, Goodrich, 867-6956/725-7383.  
Vanpool seats: Melbourne to LC-39 Area, seats available, 11 passenger van, Galbraith, 861-4780/259-3138.  
Vanpool seats: Melbourne/Eau Gallie to CCAFS/KSC Industrial Areas, 7:30-4:00, Don, 867-4634.  
Vanpool seats: Palm Bay/Eau Gallie/Suntree to ARF/VAB/Wiltech Areas, 7:00-3:45, Adam, 867-9853/259-4138.  
Vanpool seats: Palm Bay/Melbourne/Eau Gallie to KSC Industrial Area, 7:00 - 3:45, Ivory, 867-7987/984-4316.  
Vanpool seats: Palm Bay/Melbourne to KSC Industrial Area, 7:30-4:00, Ed, 867-4500/676-2533.  
Vanpool seats: Palm Bay/Melbourne (Eau Gallie Blvd.)/Suntree (Baymont Inn) to KSC Industrial Area, 8:00-4:30, Ed, 867-0829/984-3861.  
Vanpool seats: Palm Bay/Suntree to LC-39/OPF/Logistics/OSB/PCC, 7:00-3:30, Mark, 861-0991/725-6677.  
Vanpool seats: Palm Bay/Eau Gallie/Suntree to USBI/OSB/LCC/VAB/OPF Areas, 7:00-3:45, Dan, 861-2486/952-8840.  
Vanpool seats: Pickup at Goldenrod & University & Kmart on East Colonial to KSC Industrial Area, 7:30-4:00, Cricket, 867-3705/407-381-0748.  
Vanpool seats: E. Orlando/KMart to KSC Industrial Area (HQ/O&C/SSPF), 7:30-4:30, Crickett, 867-3705, 407-381-0748.  
Vanpool seats: E. Orlando/Sam's/Wal-Mart/Bithlo to LC-39 Areas/OSB/Complexes/PCC/OPF Areas, 7:00-3:30, Buddy, 867-3794/657-4941.  
Vanpool seats: Orlando/Dean Road/Alafaya Trail/419 to KSC Industrial Area, Browning, 867-7963/407-277-8997.  
Vanpool seats: Orlando/Conway Area/Union Park/Alafaya Trail to KSC North via. Contractors Road, Schaefer, 861-5640/407-273-3048.  
Vanpool seats: Orlando/University/Goldenrod/KMart/East Hwy. 50 to KSC Industrial Area, 8:00-4:30, Goff, 867-3020/407-644-0384.  
Vanpool seats: Orlando/Conway/Union Park/Bithlo to VAB, USBI, OSB & Wiltech Areas, 7:00-3:45, Fishell, 861-2470/407-859-4009.  
Vanpool seats: Orlando Fashion Square/Hwy. 50/Sam's Club to O&C/HQ/CIF/LC-39 & Logistics Areas, Al, 867-4457/894-3068.  
Vanpool seats: Orlando/Metrowest Plaza (Hiawassee)/Waterbridge Marketplace (Hwy.50) to KSC Industrial Area, 7:00-3:50, Hoop, 867-1542/407-295-7894.  
Vanpool seats: Orlando/West 50 & Hiawassee/Alafaya & 50 to CCAS Industrial Area/CX36, Higgs, 853-8353/407-880-7410.  
Vanpool seats: E. Colonial at Alafaya/419 Park & Ride to LC-39 Areas & ARF, 7:00-3:30, Brinko, 861-4986/407-971-0122.  
Vanpool seats: E. Colonial to HQ/O&C/SSPF Areas, 8:00-4:30, Au-Mai, 867-2697/381-0183.  
Vanpool seats: W. Colonial/Kirkman Road/Dean Road/Bithlow Park & Ride to LC-39 Areas, 7:00-3:30, Hall, 861-5355/422-3681.  
Vanpool seats: Oviedo/Publix (Hwy. 419/Lockwood Blvd.) Hwy. 419 South thru Christmas to Hwy. 50 to KSC Industrial Area, 8:00-4:30, Randall, 867-5656.  
Vanpool seats: East Colonial at Alafaya to Building 100 & KSC Industrial Areas—HQ/O&C/SSPF, 8:00-4:30, Karen, 867-0045/407-568-6015.  
Vanpool forming: Orlando/E. Colonial to KSC Industrial Area, 7:00-5:15—M-W-F, 7:00-4:00—T-Th, Phil, 867-6052/407-382-0088.  
Carpool: Deland Area to KSC Industrial Area, 2<sup>nd</sup> Shift, Monday through Friday Murray, 867-7963/904-736-8580.  
Carpool: Deltona/Sanford/Oviedo to VAC/OSB Areas, 7:00-3:45, non-smoker, 4-door, Chris, 861-2255/407-321-8461.  
Carpool: E. Colonial/Alafaya/S.R. 50 Park & Ride to VAB/OSB Areas & O&C Area, 7:30-4:00, Kim, 867-3911/380-8787.  
Carpool: E. Orlando/Goldenrod/Hwy. 50 to KSC Industrial Area, 7:50-:4:20, non-smoker, 4-door, Otto, 867-3145/407-678-9792.  
Carpool: Orlando/University/Goldenrod to HQ & CIF Areas, flex-time, Marv, 867-3780/407-647-0874.  
Carpool: Oviedo/Winter Springs to KSC Industrial Area, 7:00-4:30, non-smoker, Patrick, 867-3400/407-359-3145.  
Carpool: Oviedo/Winter Springs to KSC Industrial Area, flexible hours, Patrick, 867-3400/407-359-3145.  
Carpool: Wedgefield/East Orlando/Christmas to OSB Area, 2<sup>nd</sup> shift, Dave, 861-2255/407-568-5657.  
Carpool: Winter Park to KSC Industrial Area, 7:30-4:00, flexible, non-smoker, Otto, 867-3145/407-678-9792.  
Carpool: S. Rockledge to KSC Industrial Area, non-smoking, 7:00-3:30, Robert, 867-4448/633-3091.  
Carpool: Looking for a Carpool? So am I! Palm Bay/Melbourne, 7:00-3:30, Chuck, 861-1973/722-9084.  
Ride needed/form carpool: Coventry of Cocoa (Highway 524) to O&C Building, 8:00-4:30, Setzer, 867-8681/639-9062.  
Ride needed/form carpool: Daytona Beach to SSPF, non-smoker, 8:00-4:30, Ray, 867-0789.  
Ride needed/form carpool: DeLand/Daytona Beach/New Smyrna Beach to OPF area, flexible hours, Larry, 861-1039/904-738-1821, evenings.  
Ride needed/form carpool: Flagler Beach/Daytona to CCAS Industrial Area, 7:00-3:30, Bruce, 853-4066/904-439-9964.  
Ride needed/form carpool: Melbourne to NSLD, 7:00-3:30, flexible on hours, Smith, 867-9819/724-9926.  
Ride needed/form carpool: Clermont/West Orlando to LC-39 Area, non-smoker, 7:30-4:00, flexible hours, Jean, 861-9304/241-9074.  
Ride needed/form carpool: Orlando to KSC Industrial Area, non-smoker, 9:00-5:30, Lewis, 867-2548/407-282-2908.  
Ride needed/form carpool: West Orlando/Hunter's Creek Area by 417 to HQ Area, non-smoker, flexible hours, Nicole, 867-9566/407-856-6385.  
Ride needed/form carpool: West Orlando/Hiawassee/Metro West to ARF, non-smoker, 4-10's, 6:00-4:30, flexible hours, Van, 867-7052/407-297-6636.  
Ride needed/form carpool: Titusville, U.S. 1 to Patrick AFB, AFTAC Area, Shawn, 867-3073/259-6679.  
Ride needed/form carpool: S. Titusville to CCAS Industrial Area, non-smoker, 7:00-3:30, Williams, 853-2592/268-2974.  
Ride needed: Merritt Island at N. Banana River Blvd. to CCAFS/E&O Building, will pay for gas, Roop, 476-3677/453-0429.  
Ride needed: Ormond Beach/Daytona to O&C/SSPF/HQ Areas, 7:30/8:00-4:30, Rob, 867-4293/636-6465.  
Ride needed: Titusville at Garden Street & N. Carpenter Road to KSC Industrial Area, 7:30-4:00, Frank, 867-2874/264-0603.  
Ride needed: S. Titusville at Barna & Hwy. 50 to KSC Industrial Area, non-smoker, 7:00-3:30, Nancy, 867-2260/269-2695.  
Ride needed: Titusville at South Park Avenue & Barna Avenue to KSC Visitor's Complex, 9:00-5:00, Mukherjee, 452-4301/264-1865.

GARAGE SALE

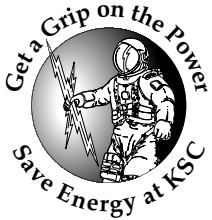
Garage sale: June 23 & 24, Titusville, 3625 Sawgrass, LaCita, living room/bedroom furniture, washer & dryer, kitchen items, exercise machine, 385-1572.

REAL ESTATE FOR SALE

House: Coventry of Cocoa, 3-B/R, 2 1/2-bath, 2-car garage, 1500 sq. ft., \$89,900, Donna, 637-1686.  
House: Mims, 3-B/R, 2-bath, split plan, 2-car garage, tile, vaulted ceilings, custom, lots of amenities, close to schools & shopping, Beville, 269-4737.  
House: Port St. John, 3-B/R, 2-bath, 1400 sq. ft., 12'x24' screened porch w/vinyl windows, fenced yard, \$85,000, Juel, 449-9357.  
House: Port St. John, 3-B/R, 2-bath, needs work, as is, \$47,500, Jim, 254-4546.  
House: S. Titusville, 3-B/R, 2-bath, split plan, 2-car garage, CBS, built in 1994, pool, utility room, new paint inside/out, \$112,890, 383-9490, lv. msg.  
House: 3-B/R, custom, 4.0 acres, loft, 9' ceilings, tile, Berber carpet, tin roof, \$189,000, Stratton, 386-345-0037.  
House: 3-B/R, 2-bath, 2-car garage, CBS, 1700 sq. ft., 10' ceiling w/built-in plant shelves, screened porch, tray ceiling in master B/R, \$107,400, 638-4859.  
Townhouse: Titusville, 2-B/R, 1 1/2-bath, 1100 sq. ft., extras, \$44,000, Fragge, 631-4675.

AUTOMOBLES & RV'S FOR SALE

1951 Mercury Grand Marquis GS, A/T, all power, tow pkg., new paint/battery/front rotors, 1 owner, well maintained, excellent condition, \$2950, 638-3863.  
1952 Jeep, military M38A1 Willy's, excellent condition, \$5000/B.O., Graves, 504-0526.  
1980 Buick Regal, A/T, P/S, P/B, good work car, \$1000/B.O.; 1989 Mercury Topaz, needs engine work or for parts, \$200, Emerson, 504-4233.  
1983 Jaguar XJS, 350 cu. in., Weiland blower, MSD ignition/coil, high performance pistons, twisted wedge heads, new interior/tires, \$10,500, 453-2654.,  
1986 Mazda RX-7 GXL, 5-speed, A/C, sunroof, P/W, needs engine work, \$500, Sam, 255-3904.  
1986 Dodge Reliant, CD player, needs engine work, exterior & interior in good condition, \$500, Toney, 383-8303.



**AUTOMOBILES & RV'S FOR SALE** (Continued)

1986 Dodge Ram Charger, 318, 2wd, runs good, no rust, \$1050, Koomjian, 268-2734.  
1986 Ford XLT Country Squire wagon, 5 liter, fuel injected, C/C, all power, 116,000 miles, runs great, \$2500, Ivan, 268-3359.  
1987 Toyota LE 7-passenger mini van, 4-cylinder, 2.2 liter, restored w/factory new parts, \$3300/B.O., 453-1291.  
1987 Dodge Shadow, needs work, \$100, Helen, 504-7651.  
1988 Ford Mustang GT, 1993 rebuilt engine w/60,000 miles, roller rockers, B303 cam, GT40 upper/lower intake, ported, much more, \$4500, 728-4892.  
1989 Ford Taurus, runs, no air/brakes, great for parts, \$600; 1972 Volkswagen Westfalia bus, new battery/brakes, sink, pop-up table, Liz, 639-4840.  
1989 Chevrolet Silverado, extended cab, 350, A/T, seats 6, Leer top, new R134 AC/brake pads/rotors/drums/alternator/more, 1 owner, \$5995, 738-1821.  
1989 Chrysler New Yorker, needs work, \$350, 267-8089.  
1990 Toyota Camry DX, 134,000 miles, excellent condition, \$3750, Green, 632-5734.  
1990 Chevrolet Astro, front/rear A/C, all power accessories, silver, runs good, \$2500/B.O., Page, 639-1850.  
190 Ford Ranger XLT, 4-cylinder, 5-speed, P/S, P/B, alum. wheels, raised white letter tires, Leer fiberglass top, excellent condition, \$2250, 383-4159.  
1992 Honda Accord LX sedan, A/C, A/T, Michelin tires, 46,000 miles, excellent condition, \$6200, Wienahd, 267-0456.  
1992 Oldsmobile Cutlass SL, loaded, good condition, runs great, \$5000, Vito, 455-1531, after 5 p.m.  
1994 Ford Ranger XLT, 4-cylinder, standard, dark green, top, 120,000 miles, \$4000, Tim, 631-9616.  
1994 Infiniti Q45T, all power, loaded, sunroof, leather, new tires, power head rests, emerald/black, excellent condition, \$11,500, Cook, 453-8381, in a.m.  
1994 Honda Accord, 4-door, moonroof, new tires, excellent condition, \$7500, 433-2708.  
1995 Chrysler Cirrus, A/T, rebuilt transmission, P/W, P/W, P/L, P/M, tint, alum. alloy wheels, antilock braes, stereo, gray/blue, \$6400/B.O., 536-4771.  
1995 Pontiac Transport van, 3800 engine, power package, new a/c, 98,000 miles, excellent condition, \$8200, Mike, 454-3900.  
1995 Nissan XE pickup, 4-cylinder, free lifetime oil changes at dealer, everything works, 76,000 miles, excellent condition, \$5400/B.O., 242-9968, evenings.  
1995 Mercury Villager, P/W, P/L, dual A/C, CD, 2-tone paint, more, excellent condition, \$6400, Gordon, 783-2923.  
1996 Honda Civic CD, 2-door, 5-speed, 34 mpg, black/charcoal, excellent condition, \$7600, Dave, 631-8847.  
1999 Pontiac Firebird, T-tops, A/C, A/T, CD player, teal w/tan cloth interior, 35,000 miles, \$14,900, Knutsen, 636-2393.  
1999 Plymouth Grand Voyager Se, loaded, \$15,900, Goodin, 799-0202.  
Mazda RX-7 GXL, 5-speed, A/C, sunroof, gray, needs engine work, \$500, Sam, 255-3904.

**HOUSEHOLD FURNISHINGS FOR SALE**

Solid oak king waterbed w/siderails, 4-drawer pedestal, headboard, excellent condition, O'Rourke, 631-4700.  
Queen pine Fontana headboard & footboard w/mattresses, \$350, Roth, 637-1305.  
Antique oak desk, \$200, Kraut, 783-0808.  
Sofa, thin arm, 86" long, beige w/brown, Chevron pattern, excellent condition, \$90, Summa, 452-2216.  
Breakfast table, 4 chairs, white legs w/natural finish table top, new condition, \$150/B.O., McGowan, 454-9826.  
Queen mattress, new, \$70, Kent, 639-4532.  
Wooden daybed, no trundle or mattress, \$60, Newton, 631-4736.  
Executive desk, 6'l x 3'w, walnut finish, good condition, \$250/B.O., Helen, 504-7651.  
Coffee table, square, low, Formica, dark stain, \$10; lamps: 2 blue, 1 Fushia, 1 dark green multi color, \$10/each, Kuhn, 269-5458.  
TV/VCR stand, light oak, like new, \$25, Haga, 268-8664.  
King bedspread, shams, Blouson window treatment, blue & yellow, \$25, Dunn, 452-0773, after 4:30 p.m.  
Queen bed & frame, like new, used less than 10 times, \$150/B.O., Trapp, 637-0271, after 4 p.m.  
Solid teak bookcase, \$175, Floyd, 777-4659.  
Rocker glider chair, matching ottoman, 2 total, 1 blue, 1 off-white, light maple wood trim, excellent condition, \$100/each set, Loucks, 453-0359.  
Sofa & loveseat, 2 years old, \$650; large coffee table, matching end table, \$200, Cook, 453-8381.  
Solid cherry 5-piece bedroom suite, \$650; 4 bar stools, \$100, Degano, 407-359-1995.  
Floor lamp, matching end table lamp, white stone/ceramic look, off-white lamp shades, \$60, 783-6379.  
Wicker bar stools w/arms, 24", \$50, Segall, 453-4477.  
White crib w/firm mattress, \$50; white changing table, \$30; both items very good condition, Miros, 453-6384, evenings.  
Restamatic electric adjustable twin bed, 36"x78", \$250/B.O., Jean, 456-5558.  
Sofa & loveseat, white/pastels, \$375; formal curved 8' sofa, 2 matching chairs, tables, lamps, \$950; mauve rocker/recliner, \$150, all exc. cond., 449-9357.  
King bed, used 3-years, good condition, \$200, Takahashi, 267-8270.  
Daybed, white & gold metal, \$30; daybed comforter, dust ruffle, pillow shams, square pillow, neck roll, white w/lace, \$15, Michelle, 269-0083.  
Broyhill sofa & loveseat, tan/brown/black, very good condition, \$300, Cropper, 733-0072.  
Computer desk, new, never used, \$200, 267-8089.

**APPLIANCES FOR SALE**

G. E. refrigerator, 18.2 cu. ft., excellent condition, \$100, Graves, 504-0526.  
Washer & dryer, large capacity, excellent condition, \$300, Vito, 455-1531, after 5 p.m.  
Sears dryer, good condition, \$45, Phillips, 638-3863.  
Amana heavy duty washer, \$50, Segall, 453-4477.

**MOTORCYCLES & EQUIPMENT FOR SALE**

1996 Yamaha Banshee, fresh motor, very fast, like new, \$3500/B.O., Mark, 242-9968, after 4:30 p.m.  
2001 Honda 400 EX 4-wheeler, excellent condition, \$5400, Don, 634-6864.  
Yamaha V Star 1100 custom, black, new tires, 13,000 miles, 27 months extended warranty remaining, \$6750/B.O., Barry, 632-9842.

**BOATS & EQUIPMENT FOR SALE**

12' aluminum airboat, 1996, Bobby Green design, aircraft engine, 160 h.p., great boat, \$6500/B.O., Walls, 267-2724.  
13' Sea Ray Laguna tender, trailer, \$1300/B.O.; 86 gallon aluminum fuel tank, 8'lx21"wx12"h, new, \$75, Petersen, 452-5256.  
24' Columbia sailboat, 1964, full keep, 6' headroom, sleeps 4, Yamaha 10 h.p. 4-cycle engine, good condition, \$2600, Bonner, 264-6230.  
26' cabin cruiser, \$6500; Captain's chair, by Pompanette, made for Sea Ray boat, new, \$150, Downing, 783-7093.  
1986 Bayliner 2750 Ciera, Volvo 260B, freshwater tank w/water heater, black water tank w/macerator, refrigerator, 12/120 volt, trailer, \$10,000, 632-7280.  
Sea Doo, 2 total, PWC XP 800 & SPX, dual Magic Tilt trailer, accessories, garage kept, very good condition, just serviced, \$6800/B.O., 631-7753, after 4 p.m.  
Boat trailer, 18'-19', excellent condition, \$600/B.O., Martin, 452-7469.  
Evinrude 35 h.p. outboard, tiller control, 20" shaft, needs work, \$350; aluminum electronics box, \$80, Kraut, 783-0808.  
Airboat motor, 0220 6-cylinder, Osteen, 453-2763.  
Stainless high performance props, 30 pitch clever, \$175; 24 & 26 Mercury choppers, \$125/each, B.O. Jim, 268-3721.  
Pedestal swivel boat seats w/cushions, 2 total, adjustable, \$100/both, Mabe, 631-2938.

**MUSICAL INSTRUMENTS & ELECTRONIC EQUIPMENT FOR SALE**

Orion 13" color TV w/universal remote, \$50, Toney, 383-8303.  
Play Station 1 w/controller, 6-months old, \$50, French, 777-9617.  
Home stereo speakers, 12" woofer, 5" mid-range, 2" tweeter, 100 watts at 4 ohms, Larry, 386-738-1821.  
Gameboy Pocket, Pokeman red & yellow versions, gamelink cable, light attachment, \$30/all, Perez, 383-0559.  
Motorola Olympic Limited Edition analog flip telephones, batteries, car chargers, leather cases, 2 total, dual overnight charger, each \$20/B.O., 759-2461.  
Play Station 1, 2 controllers, 2 demo disks, \$110, Chuck, 264-9465.  
Yamaha alto sax, excellent condition, \$450, Mike, 783-9569.  
Super Nintendo, 2 controllers, 2 games, holding case, \$95/B.O., Merritt, 633-0980.  
9" color TV, Rex, 454-4984.  
Sony dolby digital/DTS stereo receiver, Model STR-DE925, excellent condition, \$275, Plaza, 407-365-9185, Oviedo.

**MISCELLANEOUS FOR SALE**

Tickets, Jacksonville Jaguar season tickets, 10 games, section 140, row T, sets 21 & 22, face value price, Randy, 449-9900.  
Wedding dress w/veil, white, strapless, w/shaw, size 4, \$400, Toney, 383-8303.  
Assorted art frames, 12"x16" & 20"x24", minor scratches, \$10 to \$50; framed contemporary oil paintings on canvas, 8"x10" & 20"x24", \$75-\$200, 383-8303.  
Bimini top, excellent condition, \$100, Brad, 453-4003.  
Horse show tack, sterling silver heads tail, breast collar, bit, Western show saddle, \$800; miscellaneous Western show clothes, navy, size 8, Roth, 637-1305.  
Big Bertha ERC II copy spring velocity golf driver, 9 degree RH, Proforce 65 graphite gold shaft, \$100, Brown, 267-8506.  
Wagon wheels, 15"x8", 8 lug, set of 4, \$70, Kraut, 783-0808.  
Trailer hitch, Class I, fits Ford Aerostar vans, \$45, Hayes, 383-9918.  
U-Haul trailer hitch for Dodge 1500 pickup, 5000 tow capacity, 2" receiver, 1 year old, \$100, 636-0321.  
Dodge Dakota factory rims, 6-lug, P235-7015 B.F. Goodrich tires on rims, \$225/B.O., Jeff, 268-1227.  
Weight bench w/weights, \$50, Vito, 455-1531, after 5 p.m.  
Ryobi Click Link attachments: string trimmer, rototiller, edger, \$65/all, B.O., Tom, 453-2331.  
Hurricane panels, 69" long, 15" wide, 20 gauge galvanized steel, 9 total, new, Dade City approved, no hardware, \$80/all, Dewar, 728-7338.  
Chain link fence, 75' long by 4' high, 1 gate, all posts & caps included, B.O., Swanger, 383-1948.  
Aluminum wheels w/center covers, 4 total, 13", from 1995 Honda DX, like new, \$100/B.O., Don, 639-0648.  
Fiberglass pickup top, white, fits Ford Ranger, \$350, Murray, 267-4756.  
Large doghouse, \$60; portable pen, 4'x8'x6' high w/Fiberglass roof, \$70; suspended animal cage(s) w/light, galvanized roof, 4'x8'x8', \$125, Ivan, 268-3359.  
Aluminum wheels, 15" turbine style, from 1989 Lincoln Towncar, 4 total, excellent condition, \$175, Dickinson, 631-1259.  
1986 Ford 351 motor; 1985 Monte Carlo, V6, A/T; 1974 Chevelle, no motor, part out, Osteen, 453-2763.  
Ladies gold wedding band, 1/2 carat round center stone, 10 surrounding stones, appraised at \$2300, \$1000, Chris, 634-6864.  
Space memorabilia: The Eagle Has Landed collectors plate, \$40; set of 4 Apollo bears, \$80, 269-7766.  
Single ladder rack, only used 1 month, \$200, Tony, 637-0857.  
Antique Tommy Armour, Silverscot 38525 Iron Masters putter, \$250/B.O., Mike, 783-9569.  
Little Tykes sandbox w/cover, \$20; Little Tykes swimming pool, 6' diameter, \$25; aquarium, 10 gallons, accessories, \$30, Martin, 452-7469.  
Exercise bicycle, \$50, Segall, 453-4477.  
Dollhouse: solid wood, 2-story, 5 rooms plus removable dormer, \$100; girl's 20" bicycle, excellent condition, \$20, Roth, 724-9277.  
Exersaucer, very good condition, \$10, Miros, 453-6384, evenings.  
14K yellow gold, 0.77 carat, \$5060 value, \$1200, Charles, 267-5184.  
Weslow Cardioglide Plus push pull exercise machine w/user manual, Rex, 454-4984.  
Health Mark Inversion table, like new, \$125, Plaza, 407-365-9185, Oviedo.  
Aluminum screen porch:, 10'x18', 1 door, rain gutters, good condition, you take down, we'll help, \$475/B.O., Donna, 637-1686.

**MISCELLANEOUS WANTED**

Motorhome/camper, 25' to 30', able to sleep 6, 2 weeks, July 21 to August 4, Ron, 269-3423.  
Window air conditioner, 110 volt; used kitchen cabinets, Dickinson, 631-1259.  
Truck bed mat for 1973-1987 Chevrolet shortbed pickup, Bonadio, 759-2461.  
Karaoke CD's, Keeney, 253-4174.

